

I CLAIM:

1. A breathable, stretch-thinned film comprising a mixture of filler particles and a biodegradable thermoplastic polymer, the film having voids formed around the filler particles to facilitate passage of water vapor through the film.

2. The breathable, stretch-thinned film of Claim 1, wherein the biodegradable thermoplastic polymer is selected from polylactic acid polymers; polyesters of butanediol, adipic acid, succinic acid and/or terephthalic acid; and polycaprolactone polymers.

3. The breathable, stretch-thinned film of Claim 1, wherein the biodegradable thermoplastic polymer comprises a terpolymer of butanediol, terephthalic acid, and adipic acid.

4. The breathable, stretch-thinned film of Claim 1, wherein the filler particles comprise inorganic filler particles.

5. The breathable, stretch-thinned film of Claim 4, wherein the filler particles comprise calcium carbonate.

6. The breathable, stretch-thinned film of Claim 1, wherein the filler particles comprise organic filler particles.

7. The breathable, stretch-thinned film of Claim 1, wherein the filler particles comprise water-swellaable filler particles.

8. The breathable, stretch-thinned film of Claim 1, wherein the filler particles comprise biodegradable filler particles.

9. The breathable, stretch-thinned film of Claim 8, wherein the filler particles comprise a cyclodextrin.

10. The breathable, stretch-thinned film of Claim 1, comprising about 5-80% by weight of the filler particles and about 20-95% by weight of the biodegradable polymer .

11. The breathable, stretch-thinned film of Claim 1, comprising about 20-40% by weight of the filler particles and about 60-80% by weight of the biodegradable polymer.

12. The breathable, stretch-thinned film of Claim 1, comprising greater than 45% to about 80% by weight of the filler particles and about 20% to less than 55% by weight of the biodegradable polymer.

13. The breathable, stretch-thinned film of Claim 1, comprising about 50-65% by weight of the filler particles and about 35-50% by weight of the biodegradable polymer.

14. The breathable, stretch-thinned film of Claim 1, wherein the film has been uniaxially stretched.

15. The breathable, stretch-thinned film of Claim 1, wherein the film has been biaxially stretched.

16. A breathable, stretch-thinned film comprising a mixture of about 5-80% by weight filler particles and about 20-95% by weight of a terpolymer of butanediol, terephthalic acid and adipic acid, and having voids formed around the filler particles.

17. A breathable, stretch-thinned multilayer film comprising:
a primary breathable layer including a mixture of filler particles

and a biodegradable thermoplastic polymer, and having voids formed around the filler particles to facilitate passage of water vapor; and

at least one skin layer.

18. The breathable, stretch-thinned multilayer film of Claim 17, wherein the biodegradable thermoplastic polymer is selected from polylactic acid polymers; polyesters of butanediol, adipic acid, succinic acid and/or terephthalic acid; and polycaprolactone polymers.

19. The breathable, stretch-thinned multilayer film of Claim 17, wherein the skin layer comprises a biodegradable polymer.

20. The breathable, stretch-thinned multilayer film of Claim 19, wherein the skin layer further comprises filler particles, and has voids formed around the filler particles to facilitate the passage of water vapor.

21. A breathable laminate, comprising:

a breathable, stretch-thinned film including a mixture of filler particles and a biodegradable thermoplastic polymer, the film having voids formed around the filler particles to facilitate passage of water vapor through the film; and
a fibrous nonwoven web.

22. The breathable laminate of Claim 21, wherein the film and nonwoven web are adhesively bonded together.

23. The breathable laminate of Claim 21, wherein the film and nonwoven web are thermally bonded together.

24. The breathable laminate of Claim 21, wherein the nonwoven web comprises a spunbond web.

25. The breathable laminate of Claim 21, wherein the nonwoven web comprises a meltblown web.

26. The breathable laminate of Claim 21, wherein the nonwoven web comprises an air laid web.

27. The breathable laminate of Claim 21, wherein the nonwoven web comprises a biodegradable polymer.

28. A personal care article comprising the breathable film of Claim 1.

29. A personal care article comprising the breathable film of Claim 16.

30. A personal care article comprising the breathable film of Claim 17.

31. A personal care article comprising the breathable laminate of Claim 21.

32. A medical article comprising the breathable film of Claim 1.

33. A medical article comprising the breathable film of Claim 16.

34. A medical article comprising the breathable film of Claim 17.

35. A medical article comprising the breathable laminate of Claim 21.